



W 28.76

In re Application of: Spencer A. Rathus et al.

Serial No.: 09/769,135

Group Art Unit: 2876

Filed: January 25, 2001

Examiner: Kim, Ahshik

For: METHOD AND APPARATUS FOR

Atty Doc. No. 660-031

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LETTER

SIR:

Please be advised of the following related co-pending applications:

Attorney Docket	Examiner	Serial Number
Number		
660-015	Kim, Ahshik	09/769,134
660-016	Le, Thien Minh	09/769,136
660-017	Le, Thien Minh	09/769,137
660-018	Le, Thien Minh	09/769,144
660-019	Le, Thien Minh	09/769,146
660-020	Le, Thien Minh	09/769,139
660-021	Le, Thien Minh	09/769,138
660-022	Kim, Ahshik	09/769,140
660-023	Le, Uyen-Chau N.	09/769,142
660-025	Le, Thien Minh	09/769,143
660-026	Le, Thien Minh	09/769,141
660-027	Kim, Ahshik	09/769,149
660-028	Kim, Ahshik	09/769,148
660-029	Le, Thien Minh	09/769,147
660-030	Le, Thien Minh	09/747,295
660-031	Kim, Ahshik	09/769,134

Please feel free to contact the undersigned attorney with any questions.

Date: June 17, 2004

William .

Respectfully submitted,

John W. Olivo, Jr.

Reg. No. 35,634

WARD & OLIVO

382 Springfield Avenue

Suite 300

Summit, NJ 07901

(908) 277-3333

TRANSMITTAL FORM (to be used for all correspondence after initial in the submission)			ent and Tradema	ark Office; U.S. I on unless it disol	PTO/SB/21 (02-04) ugh 07/31/2006. OMB 0651-0031 DEPARTMENT OF COMMERCE avs a valid OMB control number.
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53		Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Add Terminal Disclaimer Request for Refund CD, Number of CD(s)	dress	to Technol Appeal Co of Appeals Appeal Co (Appeal No Proprietary	losure(s) (please low):
Firm or Individual name Ward & Olivo 382 Springfi Summit, NJ 0 1901 Signature Date 6/18/04	ERTIFIC		N/MAILING	ith the United	

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Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

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Co	omplete if Known
Application Number	09/769,135
Filing Date	1/25/2001
First Named Inventor	Spencer A. Rathus
Examiner Name	Kim, Ahshik
Art Unit	2876
Attorney Docket No.	660-031

TOTAL AMOUNT OF THE STATE OF THE	FEE CALCULATION (continued)
METHOD OF PAYMENT (check all that apply)	3. ADDITIONAL FEES
Check ☐ Credit card ☐ Money ☐ Other ☐ None	3. ADDITIONAL FEES Large Entity Small Entity
	Fee Fee Fee Fee Fee Description Fee Paid
Deposit Account:	Code (\$) Code (\$)
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Number Deposit LAAcard & Olivo	cover sheet
Account VVaru & Olivo	1053 130 1053 130 Non-English specification
The Commissioner is authorized to: (check all that apply)	1812 2,520 1812 2,520 For filing a request for ex parte reexamination
Charge fee(s) indicated below Credit any overpayments	1804 920* Requesting publication of SIR prior to Examiner action
Charge any additional fee(s) during the pendency of this application	1905 1 940* 1805 1 840* Requesting publication of SIR after
Charge fee(s) indicated below, except for the filing fee	Examiner action
to the above-identified deposit account.	1251 110 2251 55 Extension for reply within first month
FEE CALCULATION	1252 410 2252
1. BASIC FILING FEE	1200 and 120
Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid	5 Agraign for roply within fifth month
Code (\$) Code (\$)	1255 1,570 2255
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1002 330 Plant filing fee	1402 320 2402 160 Filing a brief in support of an appeal
1003 520 2000 200	1403 280 2403 140 Request for oral hearing
1004 700 Zoo President filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable
1005 160 2005 80 Provisional limits (e.g. 1) (\$\ 0 \)	1702 VIII La caritra Unintentional
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSU	1001 1,000 and the leave for
Extra Claims below Fee Pa	OAF Diget issue fee
Total Claims -20** = X	1503 630 2503 315 Plaint Sade to 1 1460 130 1460 130 Petitions to the Commissioner
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Large Entity Small Entity Fee Fee Fee Fee Fee Description	Describe each patent assignment per
Code (\$) Code (\$)	property (united transfer final rejection
1202 18 2202 9 Claims in excess of 20	(37 CFR 1.129(a))
1201 84 2201 42 Independent claims in excess of 3	
1203 200 at Baisage independent claims	examined (37 CFR 1.129(b))
1204 84 2204 42 Reissue independent claims over original patent	Doguest for expedited examination
2005 0 ** Reissue claims in excess of 20	1802 900 1802 900 Request for expedited examination of a design application
and over original patent	Other fee (specify)
SUBTOTAL (2) (\$) 0	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 180.00
**or number previously paid, if greater; For Reissues, see about	e (Complete (if applicable)

Telephone 908-277-3333 Registration No. SUBMITTED BY 35,634 John W. Olivo, Jr. (Attorney/Agent) Name (Print/Type) Signature

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nder the Paperwork Reduction Act of 1995, no persons are required to the	Com	plete if Known
Substitute for form 1449/PTO	Application Number	09/769,135
	Filing Date	1/25/2001
INFORMATION DISCLOSURE	First Named Inventor	Spencer A. Rathus
STATEMENT BY APPLICANT	Art Unit	2876
(Lise as many sheets as necessary)	LAGITITION THE	Kim, Ahshik
(0	Attorney Docket Number	660-0 31

	14	of 8		Attorney Docket Number 1000-05	
Sheet	1	of 8			
				DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
IIIIIais	'''	Number-Kind Code ^{2 (if known)}		Mahlhara	
	1	^{US-} 3,705,384	12-05-1972	Wahlberg	
	2	^{US-} 3,735,350	05-22-1973	Lemelson	+
	3	US- 3,976,995	08-24-1976	Sebestyen	
	4	^{US-} 3,989,929	11-02-1976	Treiber	
	5	US- 4,117,542	09-26-1978	Klausner et al.	
		US- 4,283,621	08-11-1981	Pembroke	
	6	US- 4,418,278	11-29-1983	Mondshein	
	7	US- 4,492,164	01-08-1985	Cassanas et al.	
	8		07-22-1986	Utsugi	
	9	US- 4,601,573	09-02-1986	Sangster	
	10	US- 4,609,358	04-21-1987	Matsumoto	
	11	^{US-} 4,659,213	12-08-1987	Greenberg	
	12	^{US-} 4,711,994		Mindrum et al.	
	13	^{US-} 4,723,212	02-02-1988	Bitzer et al.	
	14		12-27-1998	Suzuki	
	15	us- 4,812,879	03-14-1989		
	16	US- 4,813,350	03-21-1989	Drillick	
	17	110	04-11-1989	Nobles et al.	
	18	110	04-25-1989	Poland	
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	19	^{US-} 4,839,507	06-13-198	89	Мау			
Examiner Initials*	Cite No.1	Foreign Patent Document	FOREIGN	Put	NT DOCUI Dication Date DD-YYYY	MENTS Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	20	Country Code ³ -Number ⁴ -Kind Code ⁵ (if		06-0	2-1983	Brooke		
	21	JP 60-46,684				Masaaki et al. Yoshitomo, Abe		
	22	JP 62-98,334 JP 362264752 A		11-1	7-1987	Suda, Koji		╁╴
	24	JP 363203045 A JP 363296560 A				Asano, Eisuke Mori, Naoki		

l	25 JP 363296560 A		,
		Date	
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Signature		San line through	citation if not in conformance and not

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

1	spond to a collection of informati Con	nplete if Known
	Application Number	09/769,135
	Filing Date	1/25/2001
	First Named Inventor	Spencer A. Rathus
	Art Unit	2876
	Examiner Name	Kim, Ahshik
	Attorney Docket Number	660-031

	2	of 8		Attente y Decited to	
Sheet				DOUBLENTS	
				DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevan Figures Appear
milao		Number-Kind Code ² (# known)			
	26	^{US-} 4,868,375	09-19-1989	Blanford	
	27	^{US-} 4,897,865	01-30-1990	Canuel	
	28	US- 4,910,672	03-20-1990	Off et al.	
	29	^{US-} 4,984,155	01-08-1991	Geier et al.	
		^{US-} 4,992,824	02-12-1991	Plummer	
	30	us- 5,002,491	03-26-1991	Abrahamson et al.	
	31	US- 5,003,577	03-26-1991	Ertz et al.	
	32	US- 5,021,984	06-04-1991	Meade et al.	
	33		06-25-1991	Ono et al.	
	34	US- 5,027,196	07-09-1991	Miller et al.	
	35	US- 5,031,098	01-14-1992	Olson	
	36	^{US-} 5,080,399		Thacher et al.	
	37	^{US-} 5,083,271	01-21-1992	Malewicki et al.	
	38	^{US-} 5,108,052	04-28-1992		
	39	^{US-} 5,111,196	05-05-1992	Hunt	
	40	us- 5,119,188	06-02-1992	McCalley et al.	
	41	^{US-} 5,126,547	06-30-1992	Norman, Jr.	
	42	- 110	08-25-1992	Gump et al.	
 	43		09-15-1992	Ishii et al.	
	44	110	09-29-1992	Younger	
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	44	5,151,007				
Examiner Initials*	Cite No.1	Foreign Patent Document	FOREIGN PATENT DOCU Publication Date MM-DD-YYYY	MENTS Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Т6
	45	Country Code ³ Number ⁴ Kind Code ⁵ (if known EP 357899 Å	03-14-1990			
	46	JP 02103025 A	04-16-1990 05-16-1990			
	47	JP 02127792 A JP 402279393 A	11-15-1990	Yuasa, Mitsutok		├-
	49	GB 2 232 119 A		Webster et al. Inaba, Satoshi		上
	50	JP 403060558 A	03-15-1991	mada, Gatosiii		

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09/769,135

1/25/2001

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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First Named Inventor Spencer A. Rathus Art Unit 2876 (Use as many sheets as necessary) **Examiner Name** Kim, Ahshik

Filing Date

Application Number

660-031 Attorney Docket Number

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	51	^{US-} 5,168,303	12-01-1992	Ikenoue et al.	
_	52	^{US-} 5,173,851	12-22-1992	Off et al.	
	53	^{US-} 5,181,062	01-19-1993	Kazumi, Jiro	
	54	^{US-} 5,185,857	02-09-1993	Rozmanith et al.	
	55	^{US-} 5,204,813	04-20-1993	Samph et al.	
	56	^{US-} 5,211,287	05-18-1993	Weisburn et al.	
	57	^{US-} 5,222,624	06-29-1993	Burr	
	58	^{US-} 5,235,509	08-10-1993	Mueller et al.	
	59	^{US-} 5,237,156	08-17-1993	Konishi et al.	
	60	^{US-} 5,243,174	09-07-1993	Veeneman et al.	
	61	^{US-} 5,262,860	11-16-1993	Fitzpatrick et al.	
	62	^{US-} 5,287,181	02-15-1994	Holman	
	63	^{US-} 5,288,977	02-22-1994	Amendolia et al.	
	64	^{US-} 5,295,064	03-15-1994	Malec et al.	
	65	^{US-} 5,295,836	03-22-1994	Ryu et al.	
	66	^{US-} 5,302,990	04-12-1994	Satoh et al.	
	67	^{US-} 5,310,349	05-10-1994	Daniels et al.	
	68	^{US-} 5,319,542	06-07-1994	King et al.	
	69	^{US-} 5,353,219	10-04-1994	Mueller et al.	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	Τ۴
	70	JP 03151263 A	06-27-1991	Osawa		
	71	JP 03174693 A	07-29-1991	Ashida et al.		
	72	JP 04-023,183	01-27-1992	Masahide		
	73	JP 404269048 A	09-25-1992	Wantanabe		
	74	JP 06110913 A	04-22-1994	Watanabe		
	75	JP 406188962 A	07-08-1994	Nakamura, Teruo		Г

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Signature	Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known						
Application Number	09/769,135					
Filing Date	1/25/2001					
First Named Inventor	Spencer A. Rathus					
Art Unit	2876					
Examiner Name	Kim, Ahshik					
Attorney Docket Number	660-03I	/				

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76						
77	^{US-} 5,369,57	71				
78	US- 5,385,37	71				
79	US- 5.385.4	75		01-31-1995	Sudman et al.	
				03-14-1995	Handly	
				03-28-1995	Bravman	
				04-25-1995	Hakamatsuka et al.	
				05-02-1995	Baitz et al.	
+	<u> </u>			06-13-1995	Ruppert et al.	
				09-19-1995	Hamrick	
+				09-19-1995	Poor	
+	US- 5,459.3	104		10-17-1995		
+				11-07-1995	Barrus et al.	
+				11-21-1995	Bass	
	US- 5,477,0)42		12-19-1995		
-	US- 5,478,9	90		12-26-1995		
	US- 5,493,3	355		02-20-1996		
				03-19-1996	Jones	
+-	1110			04-09-1996	Belluci et al.	L
	No.¹ 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93	Cite No.1 76 US- 5,368,12 77 US- 5,369,52 78 US- 5,385,31 79 US- 5,385,41 80 US- 5,397,4 81 US- 5,401,9 82 US- 5,410,6 83 US- 5,412,1 84 US- 5,424,5 85 US- 5,452,3 87 US- 5,452,3 87 US- 5,452,3 88 US- 5,469,3 90 US- 5,477,0 91 US- 5,493,3 92 US- 5,493,3 93 US- 5,500,6	Cite No. ¹ Document Nu Number-Kind Code 76 US- 5,368,129 77 US- 5,369,571 78 US- 5,385,371 79 US- 5,385,475 80 US- 5,401,944 82 US- 5,410,642 83 US- 5,412,191 84 US- 5,451,191 84 US- 5,451,191 84 US- 5,451,191 86 US- 5,452,379 87 US- 5,452,379 87 US- 5,459,304 88 US- 5,465,291 89 US- 5,469,371 90 US- 5,477,042 91 US- 5,478,990 92 US- 5,478,990 92 US- 5,493,355 93 US- 5,500,681	Cite No.1 Document Number Number-Kind Code ^{2 (ff known)} 76 US- 5,368,129 77 US- 5,369,571 78 US- 5,385,475 80 US- 5,385,475 80 US- 5,401,944 82 US- 5,410,642 83 US- 5,412,191 84 US- 5,424,524 85 US- 5,451,998 86 US- 5,452,379 87 US- 5,452,379 87 US- 5,459,304 88 US- 5,465,291 89 US- 5,469,371 90 US- 5,477,042 91 US- 5,478,990 92 US- 5,493,355 93 US- 5,500,681	Cite No.1 Document Number Number Number-Kind Code ^{2 (d known)} 76 US- 5,368,129 11-29-1994 77 US- 5,369,571 11-29-1994 78 US- 5,385,371 01-31-1995 80 US- 5,385,475 01-31-1995 81 US- 5,397,410 03-14-1995 81 US- 5,410,642 04-25-1995 82 US- 5,410,642 04-25-1995 84 US- 5,412,191 05-02-1995 85 US- 5,451,998 09-19-1995 86 US- 5,452,379 09-19-1995 87 US- 5,452,379 09-19-1995 88 US- 5,465,291 11-07-1995 89 US- 5,469,371 11-21-1995 90 US- 5,477,042 12-19-1995 91 US- 5,478,990 12-26-1996 93 US- 5,493,355 02-20-1996	Variable Variable

	Cito	FOREI	GN PATENT DOCU Publication	Name of Patentee of	Pages, Columns, Lines, Where Relevant Passages	
Examiner Initials*	Cite No. ¹		Date MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear	T
	95	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) JP 6-233,159	08-19-1994	Tsutomu, Ozaka		
	96	JP 07056941 A	03-03-1995	Tanaka et al.		┡
	97	JP 7-64,169		Masaru, Mase		┡
	98	GB 2 300 498 A	11-06-1996	 		\vdash
	99	WO 98/03923		Kraftsow et al		۲
	100	WO 98/06055	02-12-1998	Rapaport et al.		

	10 0 WO 98/06055	02 12 1000 Hapaport 5		
			Date	
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9	Complete if Known							
	Application Number	09/769,1 35						
	Filing Date	1/25/2001						
	First Named Inventor	Spencer A. Rathus						
	Art Unit	2876						
	Examiner Name	Kim, Ahshik						
	Attorney Docket Number	660-031						

	5		of	8		Attorney Docket Number 1000-c	
Sheet	5		<u> </u>	<u> </u>			
						DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Examiner Initials*	Cite No. ¹	Docume			Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		Number-Kir	nd Code	2 (if known)		I/auchi et el	
	101	^{_US-} 5,541,39	94		07-30-1996	Kouchi et al.	
	102	^{US-} 5,551,0	11		08-27-1996	Danby et al.	
	103				09-10-1996	Tackbary et al.	
	104				09-24-1996	Banks et al.	
	105				10-22-1996	Hochstein et al.	
	103				10-29-1996	Dudle et al.	
	107				11-26-1996	Hewitt et al.	
	108				12-31-1996	Beasley	
					03-18-1997	Off et al.	
	109			,	03-25-1997	Davidson et al.	
	110	110			06-17-1997	Ruppert et al.	
	111	1110			07-01-1997	Li et al.	
	112					Cannon et al.	
	113				05-12-1998	Hidary et al.	
	114	US- 5,774,6	664		06-30-1998		
	115	US- 5,774,8	874		06-30-1998	Veeneman et al.	
	110	110	181		07-07-1998	Hidary et al.	
	11	110			08-25-1998	Li	
	111				09-01-1998	Kara	
	11				10-13-1998	Schwind	

Examiner Initials*	Cite No.1	Foreign Patent Document	PATENT DOCU Publication Date MM-DD-YYYY	MENTS Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	120	Country Code ³ Number ⁴ Kind Code ⁵ (if known) JP 11-355,699	06-05-1998	Yukihiro, Sai		-
		JP 10269326 A		Nakamura et al.		╁
	122	JP 02000293455 A	04-09-1999			
	123	JP 2000267966 A	09-29-2000 05-25-2001			
		JP 2001/142971 JP 02001265800 A				

l	125 JF 02001203000 X		
		Date	
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Signature		line through	citation if not in conformance and not

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Cor	mplete if Known
Application Number	09/769,1
Filing Date	1/25/2001
First Named Inventor	Spencer A. Rathus
Art Unit	2876
Examiner Name	Kim, Ahshik
Attorney Docket Number	660-0

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	126		01-05-1999	Anderson	
	127		02-02-1999	Bravman et al.	
	128	^{US-} 5,870,030	09-11-7627	Deluca et al.	
	129		02-09-1999	Kirsch	
	130	^{US-} 5,905,248	05-18-1999	Russell et al.	
	131		06-15-1999	Call	
	132	^{US-} 5,918,214	06-29-1999	Perkowski	
	133		08-03-1999	Rathus et al.	
	134	/	08-17-1999	Reber et al.	
	135		09-07-1999	DeLorme et al.	
	136		10-05-1999	Kirsch	
	137		11-02-1999	Jones et al.	
	138		11-02-1999	George et al.	
	139		11-23-1999	Anderson	
	140		11-30-1999	Wilz, Sr. et al.	
	141		11-30-1999	Reber et al.	
	142	-,,	12-14-1999	Li et al.	
	143	^{US-} 6,003,774	12-21-1999	Bard et al.	
	144	^{US-} 6,064,832	05-16-2000	Sato et al.	

		<u>IGN PATENT DOCU</u>	MENTS		
Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Examiner Name	Kim, Ahshik		
Attorney Docket Number	660-031		

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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	145		06-06-2000	Yokonuma et al.	
	146		06-20-2000	Wilz, Sr. et al.	
	147		07-04-2000	Choi	
	148	^{US-} 6,085,976	07-11-2000	Sehr	
	149		08-01-2000	Swartz et al.	
	150		11-14-2000	Parry	
	151		11-21-2000	Pellegrino et al.	
	152	^{US-} 6,152,369	11-28-2000	Wilz, Sr. et al.	
	153	^{US-} 6,154,738	11-28-2000	Call	
	154	^{US-} 6,157,314	12-05-2000	Loftus	
	155	^{US-} 6,164,534	12-26-2000	Rathus et al.	
	156	^{US-} 6,199,048	03-06-2001	Hudetz et al.	
,,,,,	157	110	05-01-2001	Schwab	
	158		06-12-2001	Rosenberg et al.	
	159		07-31-2001	Ladd et al.	
	160	US- 6,269,342	07-31-2001	Brick et al.	
	161	^{US-} 6,270,351	08-07-2001	Roper	
	162	1.2	09-04-2001	Rhoads	
	163	US- 6,311,214	10-30-2001	Rhoads	

		FORE	GN PATENT DOCU	MENTS		_
Examiner Cite Initials* No.1	Foreign Patent Document	Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	6	
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Attorney Docket Number	660-031		

			U. S. PATENT	DOCUMENTS	
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	164		11-06-2001	Deluca et al.	
	165		11-06-2001	Schena et al.	
	166	I	11-27-2001	Knowles	
	167		11-27-2001	Knowles et al.	
	168	^{US-} 6,330,244	12-11-2001	Swartz et al.	
	169		12-18-2001	Coco et al.	
	170		01-15-2002	Wilz et al.	
	171	^{US-} 6,353,772	03-05-2002	Silverbrook	
	172	^{US-} 6,373,551	04-16-2002	Manico et al.	
	173	^{US-} 6,375,078	04-23-2002	Russell et al.	
	174		04-30-2002	Walker et al.	
	175	^{US-} 6,384,744	05-07-2002	Philyyaw et al.	
	176		05-07-2002	Ladd et al.	
	17 7	^{US-} 6,386,453	05-14-2002	Russell et al.	
	178	^{US-} 2001/011276 A1	08-02-2001	Durst Jr. et al.	
	179	^{US-} 2002/0084899	07-04-2002	Faria et al.	
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		FORE	IGN PATENT DOÇU	MENTS		
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